

# Diamond Representation-A Mathematician's BFF

Rationale: A Math Diamond gives students the chance to represent a value (number) or concept in a variety of ways. This builds number sense and understanding of the underlying concepts of the standards students learn.

Instructions: Student is assigned or given the choice of a value (number) to represent. Using a 9" x 12" sheet of construction paper, the following information is to be included on the Math Diamond poster:

1. Draw or Glue a large diamond shape in the middle of the construction paper.
2. Write the selected value **LARGE** and **BOLD** in the center of the diamond shape.
3. In the four triangles around the diamond show the value in different ways. Each triangle should be unique in its representation.
4. Use color and other touches to make a creative finished product.

## Possible Uses:

- Whole Numbers (in words, on a number line, sum/difference, or product/quotient of two numbers, factors/multiples of, in prime factors, as an array, etc.)
- Simple Fractions (part of a whole, part of a set, on a number line, as a decimal, as a percent, sum/difference or product/quotient of two fractions, equivalent fractions, etc.)
- Mixed Numbers (on a number line, in words, as an improper fraction, as a decimal/percent, etc.)
- Decimals (in words, on a number line, as a fraction in lowest terms, as a percent, sum/difference or product/quotient of two decimals, etc.)
- Integers (in words, on a number line, real-world examples of integers, etc.)

- Two or Three-Dimensional Shapes (visual, formulas, real-world examples, nets for 3-D shapes, etc.)



